

**LAND APPLICATION SITE**

**DAVID K BIGGER SITE**

**LUDKB 1-6**

**LUNENBURG COUNTY**

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 11/16/21 between David K Biggs referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in Lynchburg, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
	<u>S2A-1-26</u>	<u>S3-7-1A</u>	<u>S3-A-16B</u>
	<u>S3-A-17</u>	<u>S3-A-3</u>	

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>David K Biggs</u>	Mailing Address <u>190 FORT MITCHELL DR</u> <u>CHASE CITY, VA 23924</u>	Landowner Signature <u>David Biggs</u>
By:	Phone No. <u>434 372 2070</u>	
Title*		
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>Susan Trumbo</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	



Permittee: Recyc Systems, Inc

County or City: humburg

Landowner: David Biggs

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

David Biggs  
Landowner's Signature

16 Jan 21  
Date

David Biggs  
Operator's Signature

mailing address & phone

16 Jan 21  
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 1/16/24 between Patricia Biggs referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in Lunenburg Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
	<u>92A-1-26</u>	<u>93-4-3</u>	
	<u>93-A-17</u>	<u>93-A-16B</u>	

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.


In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.


Class B biosolids      Water treatment residuals      Food processing waste      Other industrial sludges  
☒ Yes    ☐ No      ☒ Yes    ☐ No      ☒ Yes    ☐ No      ☒ Yes    ☐ No

Printed name <u>Patricia F. Biggs</u>	Mailing Address <u>190 Ft. Meade Dr</u> <u>Chesapeake VA 23824</u>	Landowner Signature 
By: Title*	Phone No. <u>231 372 2070</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official (or officer) authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: humboldt

Landowner: Patricia Bigger

### Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Patricia L. Bigger  
Landowner's Signature

1/16/21  
Date

David Bigger  
Operator's Signature

mailing address & phone

16 Jan 21  
Date

# Recyc Systems, Inc

## David K. Bigger Site

County	Owner	Operator	FSA Tract No.	Recyc Field No.	Acres	Date of Last Application
Lunenburg	David K. Bigger	David K. Bigger	T2776 Field 1	LUDKB 1	13.5	
			T2776 Field 1	LUDKB 2	15.5	
			T2776 Field 1	LUDKB 3	22.6	
			T2776 Field 1	LUDKB 4	17.1	
			T2776 Field 1	LUDKB 5	5.2	
			T2776 Field 1	LUDKB 6	13.6	



**Report Number:**

R09190-0061

**Account Number:**

70594

**A&L Eastern Laboratories, Inc.**

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401

Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



**Send To:** RECYC SYSTEMS INC  
POB 562  
REMINGTON, VA 22734

**Grower:** DAVID K BIGGER/LUDKB  
LUNENBURG

**Submitted By:** J B CRENSHAW

**Farm I D:**

**Field I D:**

**SOIL ANALYSIS REPORT**

**Page:** 11

**Date Received:** 7/9/2009

**Date of Analysis:** 7/10/2009

**Date of Report:** 7/13/2009

**Analytical Method(s):**

**of Report:** Mehlich III 7/13/2009

Sample Number	Lab Number	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C.		
		% EN	ENR lbs/A Rate	Available ppm Rate	Reserve ppm Rate	K ppm Rate	MG ppm Rate	CA ppm Rate	NA ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g		
1	14110	2.8	97 M M	23 L L		173 H H	147 H H	598 L L		5.6	6.8	1.4	6.1		
2	14113	3.4	10 109 M M	30 L L		111 H H	165 H H	661 M M		5.7	6.8	1.3	6.3		
3	14112	4.8	13 137 M M	13 V VL		122 H H	178 H H	660 M M		6.0	6.8	0.9	6.0		
4	14113	3.5	10 107 V M	10 V VL		91 M M	267 H H	1163 M M		6.4	6.9	0.8	9.0		
5	14114	1.9	8 81 L L	95 H H		137 H H	111 H H	344 L L		5.2	6.8	1.6	4.5		
Sample Number	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts ms/cm Rate	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm Rate	SO4-S ppm Rate	ZN ppm Rate	MN ppm Rate	FE ppm Rate	CU ppm Rate	B ppm Rate		CL ppm Rate	AL ppm Rate
1	7.3	20.2	49.2		23.3										
2	4.5	21.9	52.5		21.1										
3	5.2	24.6	54.8		15.4										
4	2.6	24.6	63.8		8.9										
5	7.7	20.3	37.8		34.1										

ALE-Soil

Values on this report represent the plant available nutrients in the soil.  
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).  
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),  
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).  
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:  
A & L EASTERN LABORATORIES, INC.

by:

Paul Chu, Ph.D.

**Report Number:**

R09190-0061

**Account Number:**

70594

**A&L Eastern Laboratories, Inc.**

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401

Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



**Send To:** RECYC SYSTEMS INC  
POB 562  
REMINGTON, VA 22734

**Grower:** DAVID K BIGGER/LUDKB  
LUNENBURG

**Submitted By:** J B CRENSHAW

**Farm I D:**

**Field I D:**

**SOIL ANALYSIS REPORT**

**Page:** 2

**Date Received:** 7/9/2009

**Date of Analysis:** 7/10/2009

**Date of Report:** 7/13/2009

**Analytical Method(s):**  
Mehlich III

Sample Number	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity		C.E.C.
		%	ENR lbs/A	Rate	Available ppm	Rate	Reserve ppm	Rate	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H meq/100g		meq/100g
6	14135	3.0	100	M	46	M			115	H	188	H	671	L			5.5	6.8	1.8		7.0

Sample Number	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum			
	K %	Mg %	Ca %	Na %	H %	NO3-N ppm	Rate	SO4-S ppm	Rate	ZN ppm	Rate	MN ppm	Rate	FE ppm	Rate	CU ppm	Rate	B ppm	Rate	ms/cm		Rate	ppm		Rate	AL ppm	
6	4.2	22.3	47.7		25.8																						

ALE-Soil

Values on this report represent the plant available nutrients in the soil.

Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).

ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),

ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).

Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by: A & L EASTERN LABORATORIES, INC.

by:

Paul Chu, Ph.D.



Report Number:  
R09190-0061  
Account Number:  
70594

# A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia (804) 743-9401  
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: RECYC SYSTEMS INC  
POB 562  
REMINGTON, VA 22734

For: DAVID K BIGGER/LUDKB  
LUNENBURG

Copy To: J B CRENSHAW

Attn: SUSAN TRUMBO

Date Received: 07/09/2009

Date Reported: 07/13/2009 SOI

## SOIL FERTILITY RECOMMENDATIONS

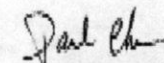
Page: 11

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adj pH To 6.8		2.0	0	0	0	0						
2	Adj pH To 6.8		1.8	0	0	0	0						
3	Adj pH To 6.8		1.3	0	0	0	0						
4	Adj pH To 6.8		1.0	0	0	0	0						
5	Adj pH To 6.8		2.0	0	0	0	0						

ALE-Rec

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paul Chu, Ph.D.

Report Number:  
R09190-0061  
Account Number:  
70594

# A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia (804) 743-9401  
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



To: RECYC SYSTEMS INC  
POB 562  
REMINGTON, VA 22734

For: DAVID K BIGGER/LUDKB  
LUNENBURG

Copy To: J B CRENSHAW

Attn: SUSAN TRUMBO

Date Received: 07/09/2009  
Date Reported: 07/13/2009

## SOIL FERTILITY RECOMMENDATIONS

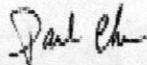
Page: 2

Sample ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P2O5 lb/A	Potash K2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
6	Adj pH To 6.8		2.3	0	0	0	0						

ALE-Rec

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paul Chu, Ph.D.

THE PLANNER IS NOT STATE CERTIFIED

**Nutrient Management Plan Balance Sheet**  
**(Fall, 2009-Winter, 2010)**

**David K Bigger**

**Planner: Recyc Systems Inc**

Tract: 2776

Location: Lunenburg

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem- cred	Commercial N-P-K (lbs/ac)	Notes	
1/LUDKB 1(N)	14/14	2009	Hay/Pasture	100-60-55	0/0				100-60-55	N/A			
1/LUDKB 2(N)	16/16	2009	Hay/Pasture	100-50-85	0/0				100-50-85	N/A			
1/LUDKB 3(N)	23/23	2009	Hay/Pasture	100-80-85	0/0				100-80-85	N/A			
1/LUDKB 4(N)	17/17	2009	Alfalfa (Hay) estb.	0-150-140	0/0				0-150-140	N/A			
		2010	Alfalfa (hay), maint	0-70-185	0/0				0-220-325	N/A			
1/LUDKB 5(N)	5/5	2009	Hay/Pasture	100-40-70	0/0				100-40-70	N/A			
1/LUDKB 6(N)	14/14	2009	Hay/Pasture	100-40-85	0/0				100-40-85	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:



**THE PLANNER IS NOT STATE CERTIFIED**

**David K Bigger Narrative**

This is David K Bigger farm located in Lunenburg County. The farm consists of hay/pasture fields.

This is a partial plan written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

**Soil Test Summary**

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
2776	LUDKB 1	14	2009-Su	M- (23 P ppm)	H (173 K ppm)	A&L MIII	5.6		
2776	LUDKB 2	16	2009-Su	M (30 P ppm)	M+ (111 K ppm)	A&L MIII	5.7		
2776	LUDKB 3	23	2009-Su	L (13 P ppm)	M+ (122 K ppm)	A&L MIII	6.		
2776	LUDKB 4	17	2009-Su	L+ (10 P lbs/acre)	M- (91 K lbs/acre)	Virginia Tech	6.4		
2776	LUDKB 5	5	2009-Su	H (95 P ppm)	H- (137 K ppm)	A&L MIII	5.2		
2776	LUDKB 6	14	2009-Su	M+ (46 P ppm)	M+ (115 K ppm)	A&L MIII	5.5		

### **Field Productivities for Major Crops**

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
2776	2776/1	LUDKB 1	14	Georgeville	IVb	IV	III	IV	
	2776/1	LUDKB 2	16	Georgeville	IVb	IV	III	IV	
	2776/1	LUDKB 3	23	Georgeville	V	IV	III	IV	
	2776/1	LUDKB 4	17	Georgeville	V	IV	III	IV	
	2776/1	LUDKB 5	5	Georgeville	V	IV	III	IV	
	2776/1	LUDKB 6	14	Georgeville	V	IV	III	IV	

### **Yield Range**

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA



## Farm Summary Report

**Plan:** New Plan Fall, 2009 - Winter, 2010

**Farm Name:** David K Bigger

Location: Lunenburg

Specialist: Recyc Systems Inc

**Tract Name:** 2776

FSA Number: 2776

Location: Lunenburg

**Field Name:** LUDKB 1

Total Acres: 13.50 Usable Acres: 13.50

FSA Number: 1

Tract: 2776

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

### **Conservation Practices:**

Pasture (>75% cover)

### *P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

### **Soil Test Results:**

DATE	PH	P	K		Lab
Su-2009	5.6	M-(23 P ppm)	H(173 K ppm)	A&L MIII	

### **Field Warnings:**

**Field Name:** LUDKB 2

Total Acres: 15.50 Usable Acres: 15.50

FSA Number: 1  
Tract: 2776  
Location: Lunenburg  
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Su-2009	5.7	M(30 P ppm)	M+(111 K ppm)	A&L MIII	

**Field Warnings:**

**Field Name:** LUDKB 3

Total Acres: 22.60 Usable Acres: 22.60

FSA Number: 1

Tract: 2776

Location: Lunenburg

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Su-2009	6.0	L(13 P ppm)	M+(122 K ppm)	A&L Mill	

**Field Warnings:****Field Name:** LUDKB 4

Total Acres: 17.10 Usable Acres: 17.10

FSA Number: 1

Tract: 2776

Location: Lunenburg

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (&gt;75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
Su-2009	6.4	L+(10 P lbs/acre)	M-(91 K lbs/acre)	Virginia Tech

**Field Warnings:****Field Name:** LUDKB 5

Total Acres: 5.20 Usable Acres: 5.20

FSA Number: 1

Tract: 2776

Location: Lunenburg

Slope Class: B Hydrologic Group: B



Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**  
Pasture (>75% cover)

*P-Index Summary*  
N-based  
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Su-2009	5.2	H(95 P ppm)	H-(137 K ppm)	A&L MIII	

**Field Warnings:**

**Field Name:** LUDKB 6  
**Total Acres:** 13.60 **Usable Acres:** 13.60  
**FSA Number:** 1  
**Tract:** 2776  
**Location:** Lunenburg  
**Slope Class:** B **Hydrologic Group:** B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**  
Pasture (>75% cover)

*P-Index Summary*  
N-based  
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Su-2009	5.5	M+(46 P ppm)	M+(115 K ppm)	A&L MIII	

# MAPS

# Recyc Systems<sup>TM</sup> Inc.

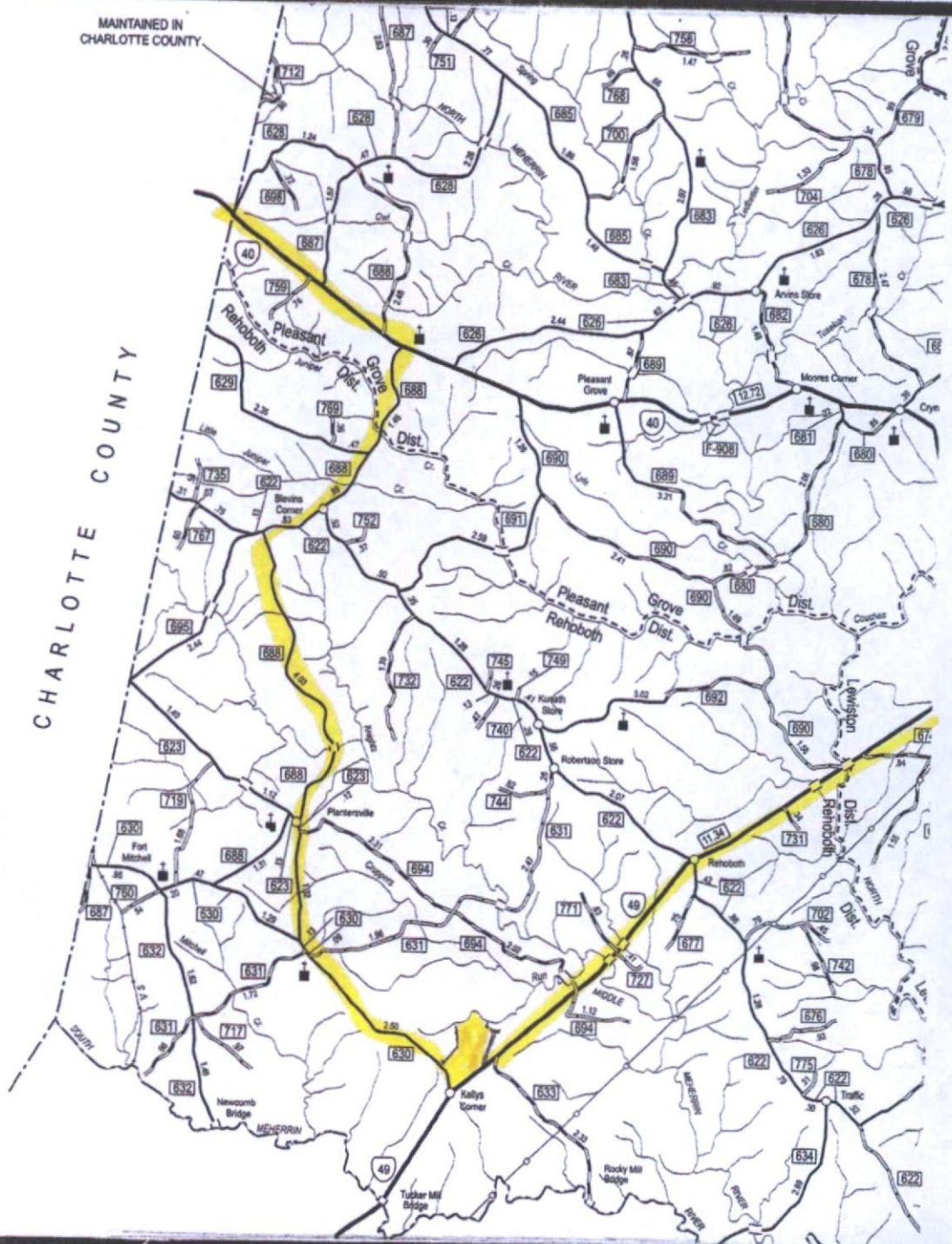
(Biosolids Land Application)



MAINTAINED IN  
CHARLOTTE COUNTY

CHARLOTTE COUNTY

37°0'N



**Scale:** 1 inch = 2 miles

LUDKB 1-6

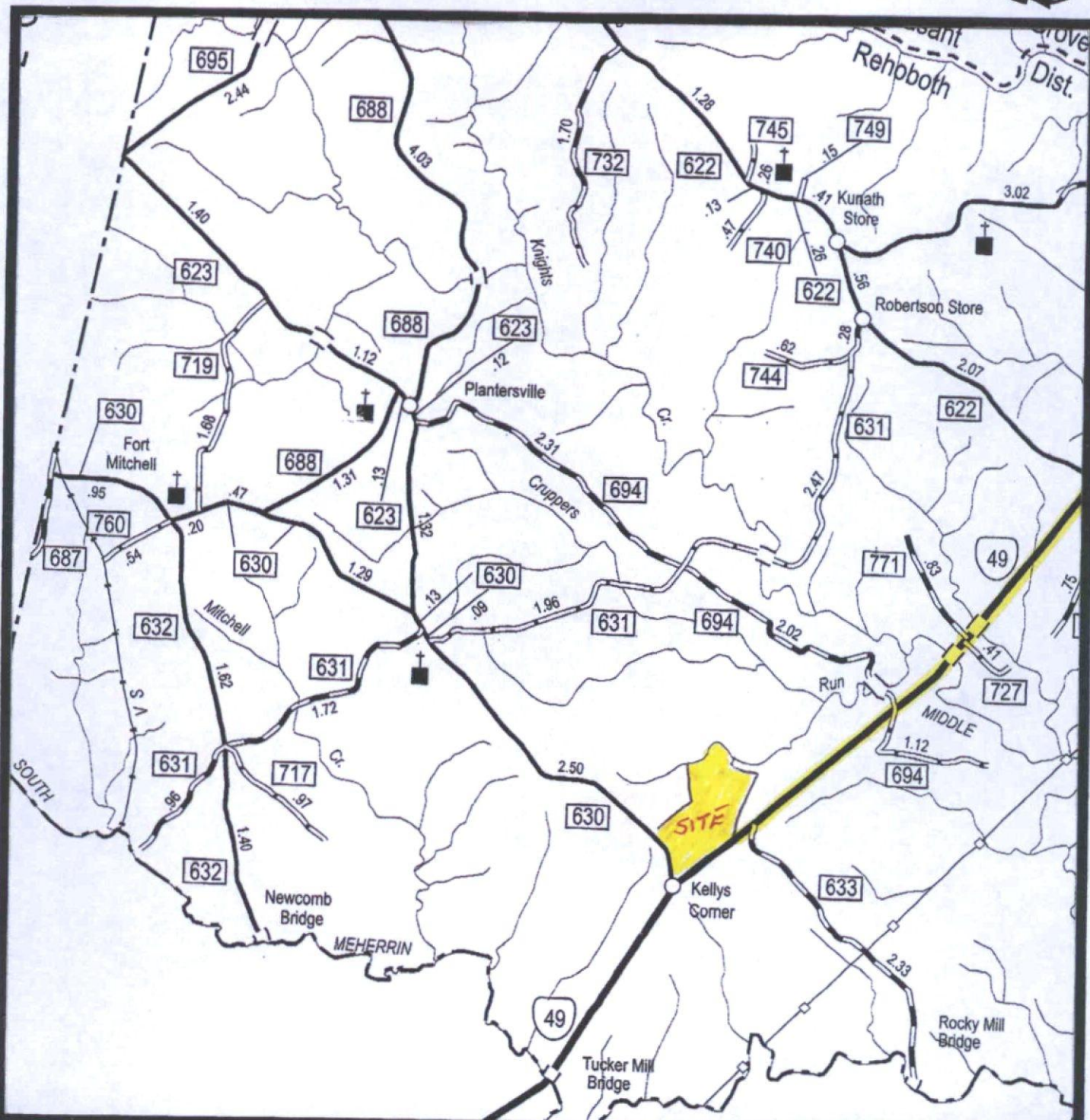
**VICINITY MAP**





**Inc.**

**(Biosolids Land Application)**



**Scale:** 1 inch = 1 mile

LUDKB 1-6

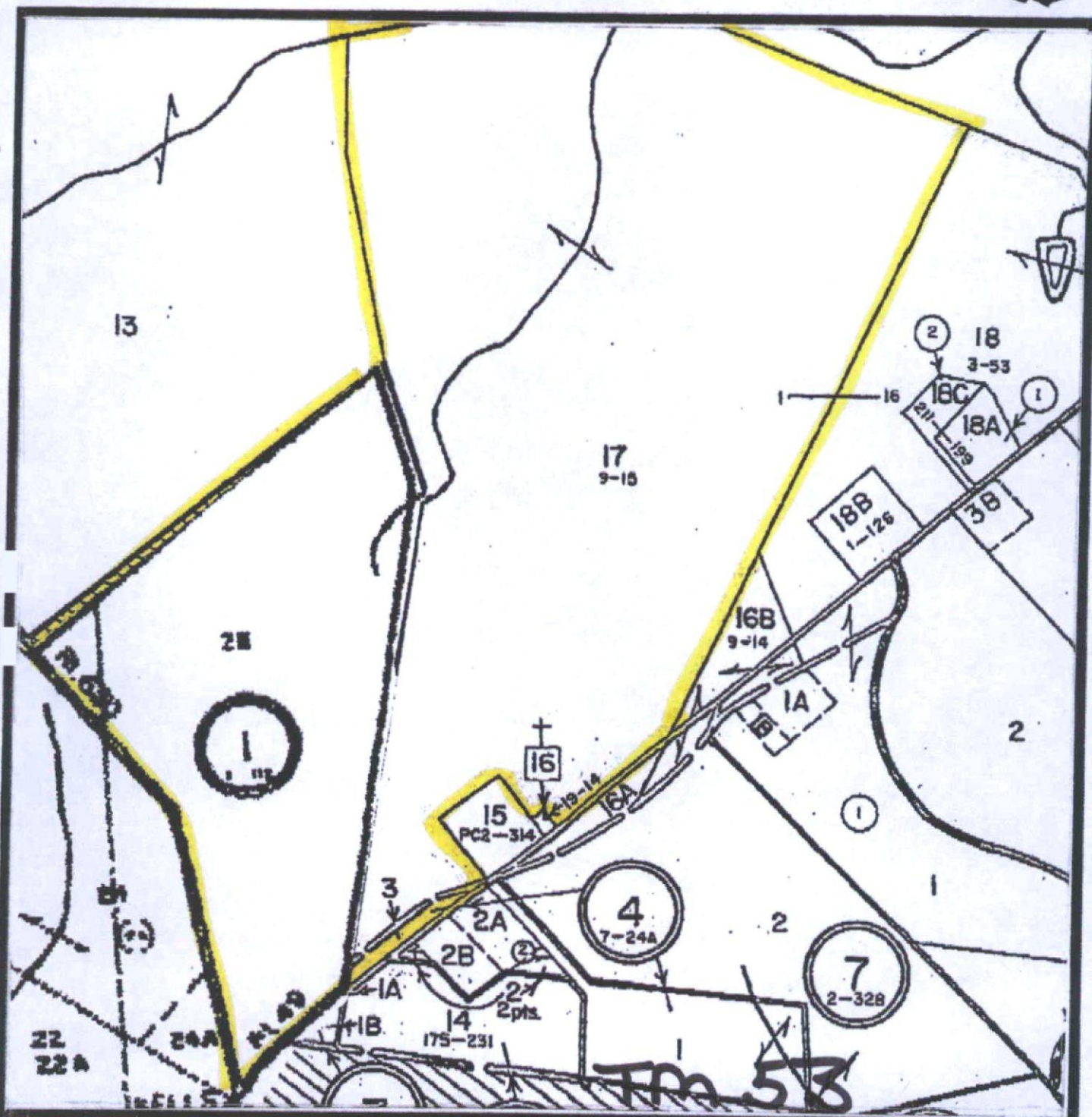
## VICINITY MAP





**Inc.**

**(Biosolids Land Application)**



### Scale:

1 inch = 660 feet

LUDKB 1-6

## TAX MAP





# ADJOINING LANDOWNERS

David K. Bigger Site

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## LUNENBURG COUNTY

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Tax Map	Parcel #	Owner Name(s)
53A	9	Malcolm L. or Betty B. Bailey
	13	Roger L. Chamblis, Jr.
	15	Edith B. Hoyle
	16A	Mountaineer Hunt Club
	18	Frances P. Wilson etal
	19	Chester L., Jr or Margarette B. Phelps etal
53(4)	1A	Doyle Edgerton
	2A	Juanita W. Gayles Faines
	2B	Reginald S. or Gracie T. Davis
52A	24	Illinois Municipal Retirement Fund
	24A	Joseph F. & Mary Benik
	25	Annie Bragg



**Scale:** 1 inch = 660 feet

LUDKB 1-6

**SOIL MAP**





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



3140

Farm Number: 3140

Tract Number: 2776

Wetland Determination Identifiers

- Restricted Use
- ▽ Limited Restrictions

Exempt from Conservation Compliance Requirements

**Farm**

Wetland  
area to  
wetland

is 796 feet  
1:500

1:800

**Scale:** 1 inch = 660 feet

LUDKB 1-6

**AERIAL MAP**





## Legend for Site Plan



House and Well



Well / Spring



Perennial Streams & Surface



Wet Spot



Intermittent Stream / Drainage



Trees and Woods



Private Drive



Rock / Rocky Area



Sinkhole



Severely Eroded Spot



State Road



Field Boundary / Fence



Property Line



Slope

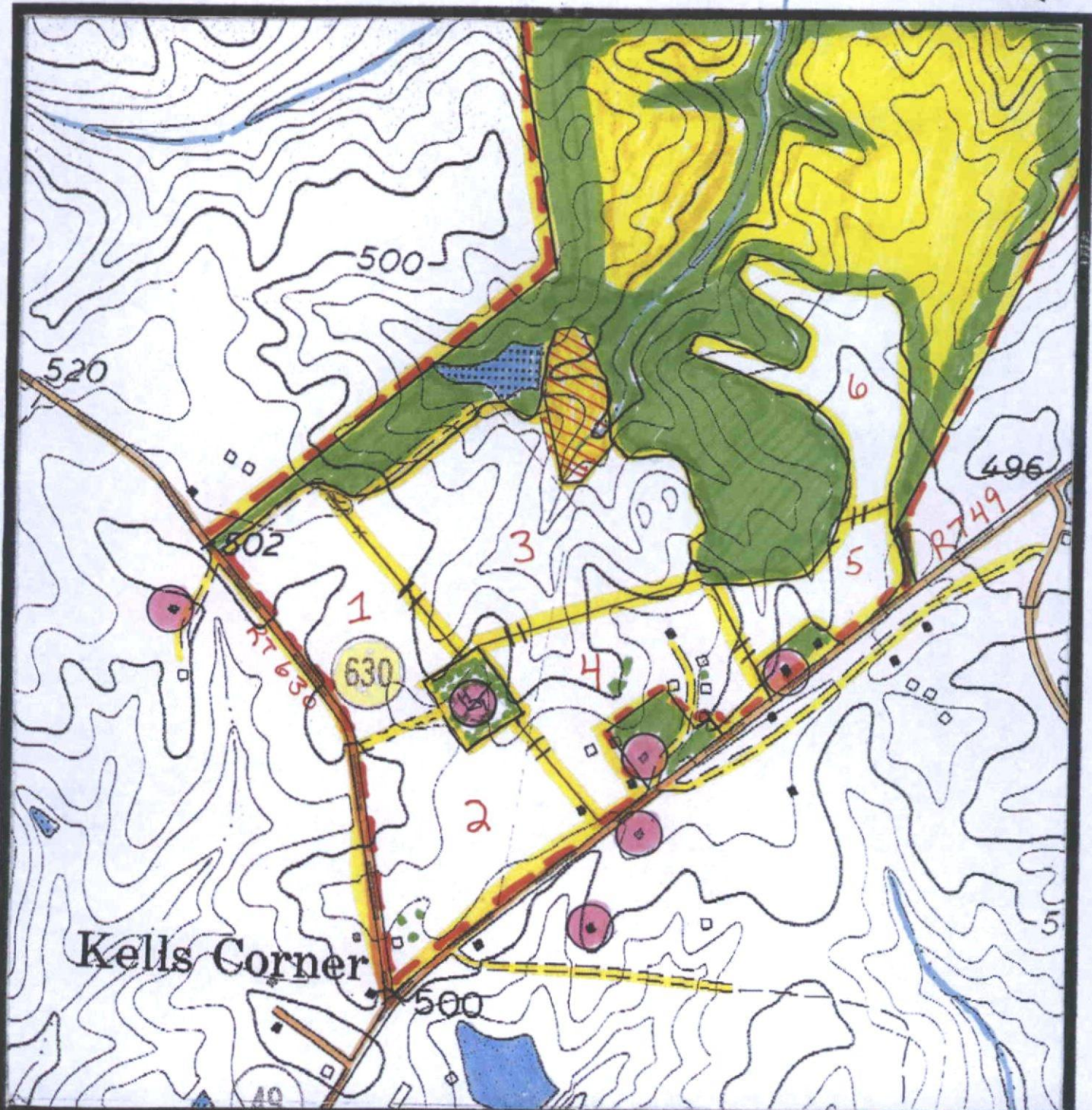


Frequent Flooded Soil



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 660 feet

LUDKB 1-6

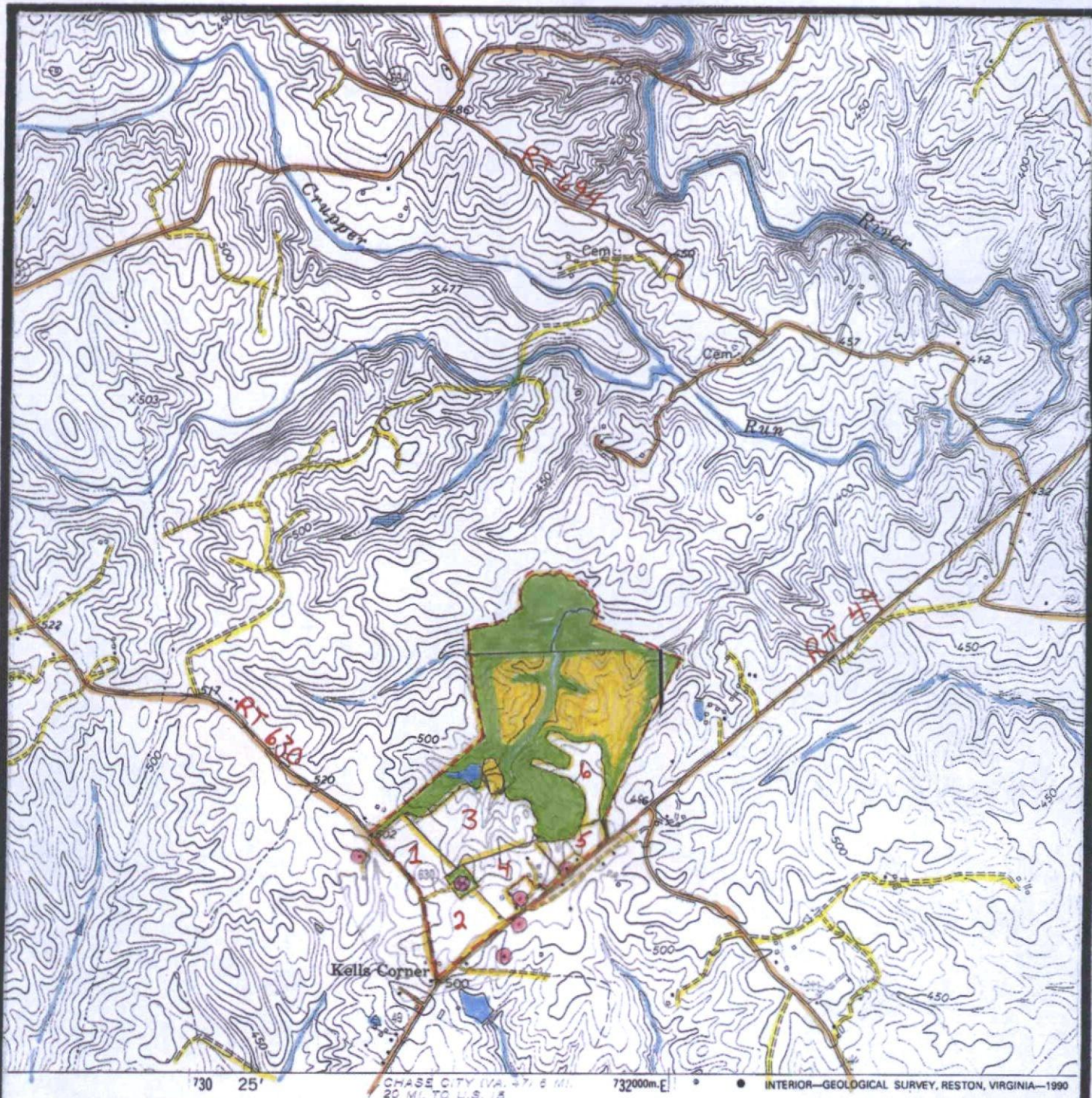
**SITE PLAN**





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 2000 feet

LUDKB 1-6

**TOPOGRAPHIC MAP**

